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NPS Research Supports the Navy [poster]

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NPS RESEARCH SUPPORTS THE NAVY

Faculty and student research at the Naval Postgraduate School increases combat effectiveness and operational efficiency of the Navy.

NPS RESEARCH SUPPORTS NAVAL STRATEGIC INITIATIVES

- SEASTRIKE**
- Railgun Technology
 - Free-Electron Laser
 - Undersea Warfare Technology
 - IR/RF Propagation at Air/Sea Boundary

- SEASHIELD**
- Ship Shock and Vibration Analysis
 - Threat Missile Simulator Validation
 - Ballistic Missile Defense

- SEABASING**
- Littoral Zone Oceanography for Mine Warfare
 - Boundary Layer Processes and the Surf Zone

- SEA ENTERPRISE**
- Acquisition Management
 - Transformation in Business Management
 - Business Case Analyses
 - Cost Estimating and Analysis
 - Large-scale Optimization

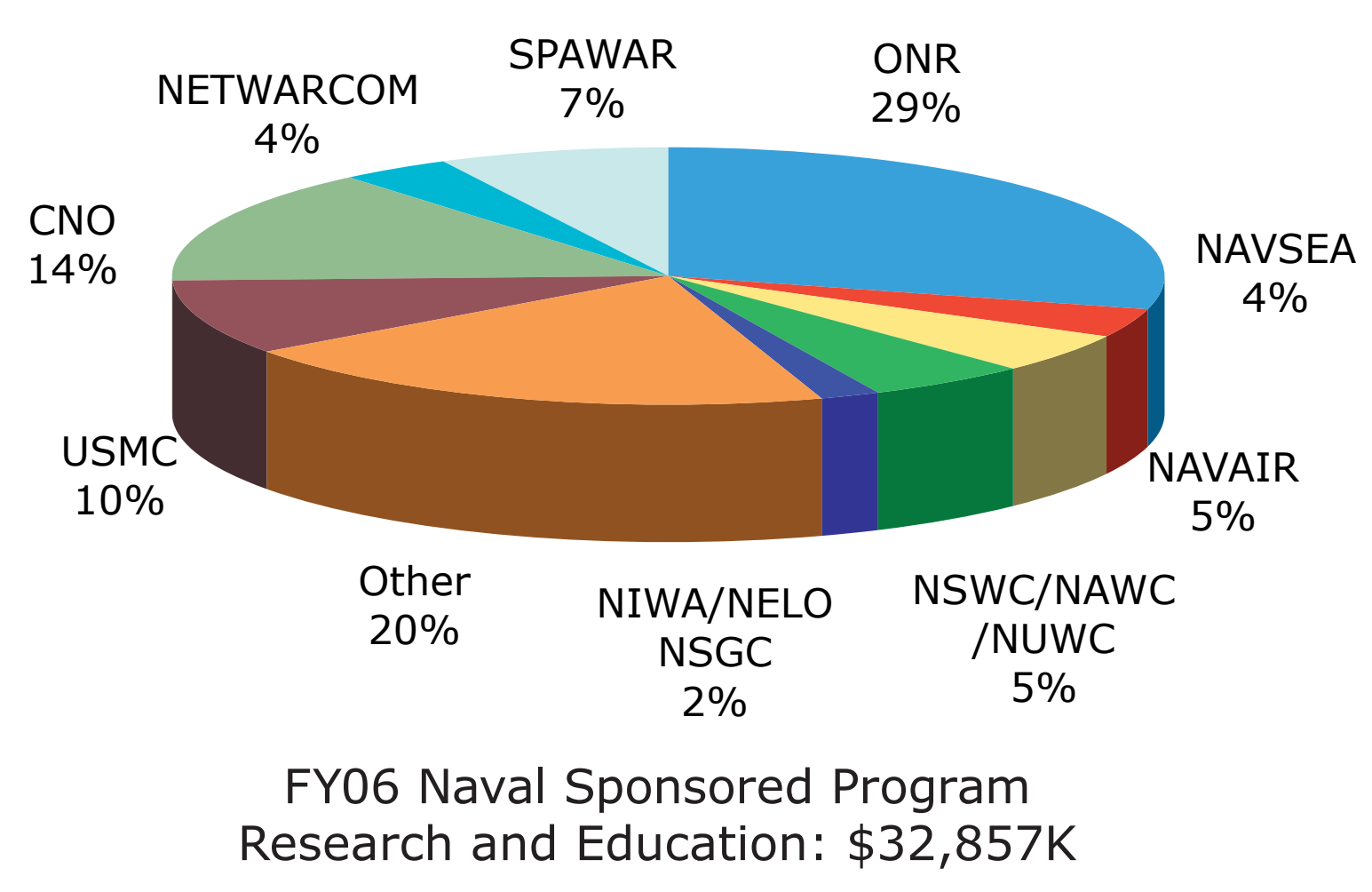
- SEA WARRIOR**
- Virtual Technologies and Environments for Training
 - ROI of Graduate Education
 - Workforce Aging and Retention

- SEA TRIAL**
- NPS Experimentation Programs

- FORCENET**
- ForceNet Sea Trials
 - Risk Assessment in Software
 - Trusted Computing

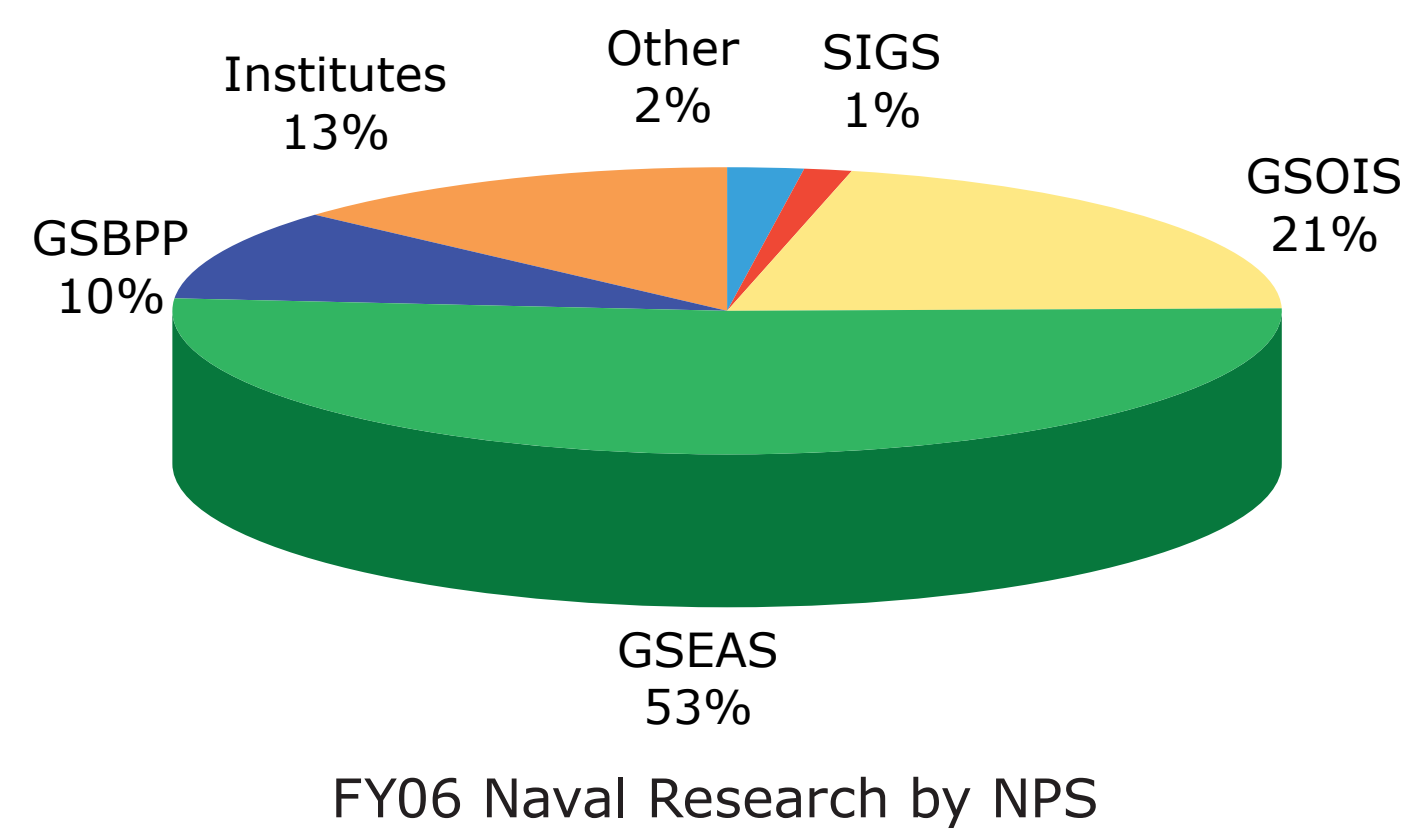
- MARINE CORPS**
- Individual Identification: Friend or Foe
 - Ultra-Wideband Smart Antenna System
 - Spectrumshield Counter IED System
 - Distributed Operations Field Experiments

- NPS research provides direct support to the Navy by solving technical, strategic, tactical, logistical, managerial, acquisition and personnel problems.
- NPS research indirectly supports the Navy as graduates take their new knowledge and skills back to their community and apply those abilities to solving real world problems.
- NPS research indirectly supports the Navy through faculty availability for consultation and faculty participation in Navy study groups.



RESEARCH IS CONDUCTED IN EVERY ACADEMIC DEPARTMENT, SCHOOL, AND INSTITUTE AT NPS

- SCHOOL OF INTERNATIONAL GRADUATE STUDIES
Center for Civil–Military Relations, National Security Affairs, Defense Resource Management Institute
- GRADUATE SCHOOL OF BUSINESS AND PUBLIC POLICY
- GRADUATE SCHOOL OF ENGINEERING AND APPLIED SCIENCES
Applied Mathematics, Oceanography, Electrical and Computer Engineering, Physics, Mechanical and Astronautical Engineering, Space Systems, Meteorology, Systems Engineering
- GRADUATE SCHOOL OF OPERATIONAL AND INFORMATION SCIENCES
Computer Science, Operations Research, Information Sciences, Defense Analysis
- CEBROWSKI INSTITUTE FOR INFORMATION INNOVATION AND SUPERIORITY
- MOVES INSTITUTE (Modeling, Virtual Environments, and Simulation)
- WAYNE E. MEYER INSTITUTE OF SYSTEMS ENGINEERING



NAVAL SPONSORED CHAIRS AND PROFESSORSHIPS

- Navy Warfare Development Command Chair for Warfare Innovation
- Chair in Applied Systems Analysis
- Space Systems Academic Chair
- Navy Tactical Exploitation of National Capabilities (TENCAP) Chair
- Naval Space Technology Program Chair
- Engineering Acoustics Chair
- NAVSEA Chair of Total Ship Systems Engineering
- NAVSEA Chair of Total Ship Systems Engineering in Combat Systems
- Battlespace Environments Chair Professorship
- Conrad Chair of Financial Management
- Stanley Arthur Chair of Logistics
- RADM George F. Wagner Chair in Public Management
- Chair of Acquisition Management
- Chair of Mine Warfare
- Chair of Undersea Warfare
- Office of Naval Research Chair of Innovation

INTEGRATED EDUCATION AND RESEARCH PROGRAMS

- Space Systems
- Total Ship Systems Engineering
- Combat Systems
- Systems Engineering
- Acquisition

INTEGRATED INTERDISCIPLINARY STUDENT PROJECTS

- ASW Littoral in 2025
- Joint Fires 2020
- Systems Analysis of Alternative Architectures for Riverine Warfare in 2010
- Maritime Security

